

Title (en)

APPARATUS AND METHODS FOR WINDING WIRE COILS OF DYNAMOELECTRIC MACHINE CORES

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUM WICKELN VON DRAHTSPULEN VON DYNAMOELEKTRISCHEN MASCHINENKERNEN

Title (fr)

APPAREIL ET PROCEDES POUR ENROULER DES BOBINES DE FILS DE NOYAUX DE MACHINE ELECTRODYNAMIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007104484A1] An apparatus and a method for winding wire coils (W) in cores (10) of dynamo electric machine using needles (15) that are relatively movable with respect to the cores (10). Wire guides (17) are provided that are also relatively movable with respect to the needle (15) and the core (10) so that the wire (W) leaving the needle (15) can be delivered to predetermined positions around the poles (14) of the core (10) to wind the wire coils. The wire guides (17) are supported adjacent to the ends of the core (10) by support means which have portions occupying positions of the needle (15) trajectory during winding. The portion of the support means (21, 22) are movable as a function of the position occupied by the needle (15) around the poles (14) so that the needle (15) can move without being obstructed. The arrangement enhances accuracy of guiding and positioning of the wire to form the wire coils and is suitable for compactly sized cores.

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